THE TECH

VOL. XXVII. NO. 83 BOSTON, MASS., FRIDAY, MAY 15, 1908 PRICE THREE CENTS

ELIHU THOMPSON WILL TALK TO ELECTRICALS.

SOCIETY ELECTS NEW OFFICERS.

Mills in the President's Chair, Whitaker in Next Position.

Professor Elihu Thompson of the General Electric Company will be the speaker at the last electrical engineering society dinner of the year to be held next Friday, May 22, at 6.30 in the Union. This makes the last of the exceptionally good speakers high in the engineering profession that this year's management has secured for the society.

For next year, John Mills 1909 will lead the electrical engineering society as its president. The election of officers was held last night at the Union. 22 votes were cast for the successful candidate for the presidency; D. G. Haynes received 11. H. E. Whitaker was chosen vice-president with 29 votes, the only other candidate in the field, H. S. Parker, receiving 4. There were four aspirants for the position of secretary-treasurer, but D. G. Haynes was elected with 13 votes to his credit. R. L. Jones received 11, R. E. Doane 6, and G. Reppert 5.

Forced by strenuous requests, the president elect gave a short speech. He said that although his first two years as freshman and sophomore had not been spent at Tech, he felt as much a Tech man as anyone. Through all his former work in Chicago he had always kept the idea of Tech uppermost in his mind and really had become a part of the Institution before he got here.

As the motive which would characterize next year's work he looked forward to the extension of the personal contract between fellow students. This, he said, is advantageous if from no other than an economical standpoint, as he had found that his outside work had all come through the efforts and thoughtfulness of those with whom he had worked at the University of Chicago.

It was thought advisable to make separate offices of secretary and treasurer as the present incumbant, W. E. Booth 1908, had found the combined duties too burdensome. This division which would necessitate an alteration in the constitution was embodied in a resolution to be taken up at a subsequent meeting. This resolution also advised the selection of D. G. Haynes to act as the secretary and R. L. Jones who was second in the vote for combined secretary-treasurer, as the treasurer.

A vote of commendation was extended the retiring president, L. B. Hedge, and the secretary-treasurer, W. E. Booth, on their very good year's work. Also the society expressed in a similar manner its great appreciation of the impetus given to the society , the cooperation and actual aid of the head of the course, Prof. Dugald C. Jackson.

BRITISHERS NAME OFFICERS.

At the annual meeting of the British Empire Association the following were elected officers for the ensuing year. President, Thomas A. Tillard 1909 of Hampshire, England; vice-president, Edgerton M. Bettington 1909, Johannesburg, South Africa; executive committee, Frederick R. Faulkner 1909, New Brunswick; Rasdale Ellis 1909, Leicester, England; Ernest E. Wells 1909, Toronto, Canada. The president and vice-president are members of the executive committee ex-officio.

EMPIRE STATE BOYS MEET.

Wednesday the New York State Club held its annual meeting and dinner at the Union with 16 members present. The elections for the coming school year resultld as follows: President, P. D. Terry 1910: vice-president, H. W. Dun 1908; secretary, W. D. Green 1909; treasurer, H. A. Higbie 1909. Kester Barr 1911 was added to the membership list. The next meeting of the club will be held some time in October.

CLASS SECRETARIES TO AID IN BIG SPREAD.

DIRECTORIES SENT OUT.

Class Dinner Not on Night of Pops. Grouping of Classes.

The Commencement of the Institute this June brings with it the usual reunion of the Alumni Association. The committee in charge of the arrangements is especially desirous of making the gathering a successful one and heartily invites the co-operation of the class of 1908. In order to make such co-operation efficient the committee has formulated a set of suggestions, the observance of which will materially assist in securing the desired end.

After mature deliberation the committee has decided to dispense entirely with the usual reception to the graduating class on Friday night and to substitute for the general spread at the Technology Club, the following program.

On Tuesday afternoon June 9, the entire east wing of the Hotel Brunswick will be engaged by the Association. In the large banquet hall a buffet lunch will be served between the hours of 6.00 and 7.30 P. M., at a cost of 75 cents per man. In the other rooms of the wing the various classes will be grouped in the following schedule and will there spread as they see fit:

1868-1884 inc.
1885-1888 inc.
1889-1892 inc.
1893-1895 inc.
1896-1898 inc.
1899-1903 inc.
1904-1906 inc.

A charge of $2.50 will be levied upon each class spreading to pay for the hire of the rooms.

As the spreads will consist primarily of the punch bowl and its contents, the committee is prepared to make the following arrangements. Any class not wishing to order a special punch can be supplied with a standard article furnished by the hotel. The gathering will be informal, the men coming in business suits and going directly to the Pop Concert.

In regard to the latter the committee has drawn up the following list of suggestions:—

First. That the class dinners be not held on the night of the Concert.

Second. That on the night of the Concert the class meet by appointment at the Hotel Brunswick, partake of the buffet lunch and unite with other classes in a joint spread.

Third. That otherwise the class assemble at some appointed place sufficiently early to insure prompt arrival at the Hall before the beginning of the Concert at 8.00 o'clock.

(Continued on page 3.)

C. J. BROWN, PRESIDENT.

Architects Elect and Plan Dinner With Harvard Men To-Night.

Clarence Jay Brown 1909, was elected president of the Architectural Society for the year 1908-1909, at a meeting held yesterday afternoon in 42 Pierce.

Other officers elected were as follows: Montague Flagg 1909, vice-president; Thomas Henry Atherton, Jr., A. B. 1909, secretary; Felix Arnold Burton, A. B., 1910, treasurer. The executive committee will be made up of Alfred Galpin Kellogg 1909. John Carlisle Bollenbacher, A. B., 1909, Daniel Wilson Gibbs 1909.

The annual dinner of the society will be held at 6.30 Saturday evening at the Copley Square Hotel. Mr. Ralph Cram of Cram, Goodhugh and Ferguson, architects, will be the speaker of the evening.

Tonight a dinner will be given by the Boston Architectural Club at the Hotel Somerset, which will be attended by the architectural departments of Harvard and Technology. Prof. Despradelle and Mr. Hornbostel of New York will speak. The Harvard men will give another presentation of their recent successful play the "Mummy and the Lulu Bird."

CHEMISTS AND ENGINEERS PLAN IMPORTANT THESES.

GLASS INVESTIGATED.

Course V. at Work on Dye Stuffs and Investigation of Pine Foods.

Many theses of industrial importance are being carried out by seniors in Courses X and V. The results obtained should be of a good deal of interest to the various industries concerned. Of especial interest is W. H. Toppan's work on the effect of the constituents of glass on its optical properties. This subject has been studied in the German factories, but the results kept secret. M. T. Jones is perfecting a working routine for the three color carbon process which is another subject of interest at the present time.

Some of the work of the Course V men on dyestuffs is of distinct commercial value, while the work on the detection of adulterations in food stuffs will bring out answers to some of the burning questions of the day. The final list of theses is as follows:

COURSE X.

A. B. Babcock: "The Heat of Neutralization of Acids and Bases at 100 Degrees."

H. E. Batsford: "Influence of Temperature on Yield in the Destructive Distillation of Wood."

H. S. Chandler: "The Function of Nitrogen in Case-Hardening Iron."

C. W. Clark: "Influence of Temperature on Yield in the Destructive Distillation of Wood."

C. H. Criswell and E. Myers: "A Study of the Soda Recovery and Causticizing Plant of a Paper Mill."

R. C. Folsom: "Tests on a Suction Gas Producer and Gas Engine."

A. L. Gardner: "A Study of Some Preservative Coatings for Iron."

G. Gianella, Jr.: "Reduction of Formic Acid to Formaldehyde and Methyl Alcohol."

H. P. Gurney: "The Occurence and Prevention of Pin-holes in Sheet Tin."

M. T. Jones, Jr.: "A Working Routine for the Three-color Carbon Process of Color Photography."

H. G. Nicholas: "Efficiency Tests on an Electrolytic Oxy-Hydrogen Generator."

F. D. Reyes: "The Permeability of Cement Mortars."

L. W. Thurlow: "Production of Selenium and Tellurium from Refinery Waste."

W. H. Toppan: "Effect of the Constituents of Glass on its Optical Properties."

(Continued on page 3.)

INSTRUCTING STAFF CHANGES.

Subject to confirmation by the Corporation, the following promotions have been made by the Executive Committee:

From Assistant Professor to Associate Professor,—

Gilbert N. Lewis, Associate Professor of Physico-Chemical Research.

From Instructor to Assistant Professor,—

Ervin Kenison, Ass't Professor of Drawing and Descriptive Geometry.

Harry C. Bradley, Assistant Professor of Drawing and Descriptive Geometry.

Alpheus G. Woodman, Assistant Professor of Food Analysis.

Joseph C. Riley, Assistant Professor of Mechanical Engineering.

Charles W. Berry, Assistant Professor of Mechanical Engineering.

Harrison W. Hayward, Assistant Professor of Applied Mechanics.

Arthur A. Blanchard, Assistant Professor of Inorganic Chemistry.

Hervey W. Shimer, Assistant Professor of Paleontology.

From Assistant to Instructor.—

Irving H. Cowdrey, Instructor in Mechanical Engineering.

Royal R. Heuter, Instructor in Mechanical Engineering.

Malcolm C. Mackenzie, Instructor in Mechanical Engineering.

Charles H. Clapp, Instructor in Geology.

CROSS COUNTRY ALUMNI GIVE CUP TO INSTITUTE.

FOR INTERCLASS RUNS.

Will Be Presented at Dinner Wednesday at the Union.

At the cross country dinner to be held at the Union Wednesday, the cup for the freshman-sophomore cross country race will be presented to the Institute by Frederick H. Hunter 1902. Mr. Hunter was at one time chase captain and later president of the Cross Country Association and is well fitted to represent the cross country alumni. Major Frank H. Briggs 1881 will accept the cup on behalf of the Institute. The cup is a large and handsome one of Tobin bronze. On it will be engraved the numerals of 1911, the class which won the dual race this spring.

In addition to the presentation, speeches will be made by Coach Kanaly, and by the captain and manager of the cross country team. All men who have been out on any hare and hounds runs, and all members of cross country teams will find this a fine opportunity to talk over the good times they have had. It will also give new men who would like to know about cross country work an excellent chance to hear about what is one of the most important sports at Technology.

Last fall none of the men were in the condition they should have been. Coach Kanaly wants all the men out for the team to do some training this summer. He will take this opportunity to give the men directions for getting into shape before the Institute opens and all men interested will thus be able to get an idea of what is required in order to do distance or cross country work.

Tickets for the dinner may be obtained from Ellis 1909, Stephenson 1909, Soule 1909, Pearl 1910, and Mackenzie 1911. The dinner is at 6.30 P. M. Tickets 35 cents.

GOVERNOR HONORS PROF. SWAIN.

Attends Pres. Roosevelt's Big Conference In Washington.

Professor Swain of the Civil Engineering Department was appointed by the Governor a member of the delegation from Massachusetts which is now attending the conference at Washington. The conference meets in response to Pres. Roosevelt's invitation to consider methods for conserving the nation's natural resources. Prof. Swain is a high authority on water power and steam regulation.

Prof. Swain attended the meeting of the Board of Directors of the American Society of Civil Engineers, held in New York, and addressed a convocation of the students of the Brooklyn Polytechnic Institute. His theme was "Man's Power Over Himself." His reception by the student body was marked by enthusiasm and his talk was closely followed by interested listeners.

In the evening he was the recipient of a dinner given by about fifty of his former students who now reside in New York City or its immediate vicinity. The affair was held in the historic Faunce's Tavern and was a most happy reunion between teacher and pupils.

Later in the evening Prof. Swain spoke before a gathering of the Brooklyn Engineers' Club on the subject of "Boston's Subways."

RUN FOR LAST TIME.

The last hare and hound run of the season will be held at Waltham tomorrow afternoon. All men who intend to try for cross country running next year are expected to come out. Excellent opportunity will be offered to get acquainted with the work. The train leaves North Station at 2.00 P. M. The round trip fare will be twenty-five cents.

THE TECH

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Subscriptions within the Boston Postal District and outside of United States must be accompanied by postage.

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Friday, May 15, 1908.

The Tech will publish the examination schedule in Monday's issue.

WELL WORTH TRYING.

Lack of time, the excuse usually given for not coming out for some student activity, is, unfortunately, only too real a reason in most cases. There is, however, one activity with which a man may connect himself by work done during spare time in the summer, namely the Show. While everyone cannot write a show and have it accepted, there are many who could put out a good production if they would only give a little time to it. In spite of this fact, there were but three plays in the competition this year, rather a small number for the whole Institute, which seems to indicate that not all of the talent here is brought out as it should be. Within a few days, prospective authors are to be called together to meet the management and discuss the requirements of a show. Mr. Francis will either be there or send a letter with suggestions for a plot and everyone with a spark of ability in this line should attend.

If, for any reason, the book of the play is too great an undertaking, there remain the music and lyrics. These are selected individually by competition, with no preference as to the author or any one writer. Although a list of titles for songs is given out after the selection of the play, this list is by no means final. A good musical number can always be worked in, and examination of previous scores will show that the songs are, in many cases, quite independent of the book.

It is customary to write the music after the selection of the lyrics, but words can always be written to fit a piece of music. It is, moreover, a simple matter to change the music slightly to fit a lyric. So, although it is better for a man to write music for a song in connection with someone who is capable of handling the lyric, still he can perfectly well do this during vacation independently. In any case, something in this line is well worth trying, and it is for every member of the Institute to do what he can to maintain and raise the standard set by previous Tech Shows.

VARSITY BASEBALL.

TECH — 9 — Foley

The subject of varsity baseball at the Institute is being looked up by The Tech with a view to determining the possibility of the existence at the present time of a regular nine. There are now at Tech many ball players of no little ability and it would be a great help to know what they think of the proposition to start a varsity team.

Accordingly The Tech invites communications on the subject from any interested in the question. They should be sent in as soon as possible and addressed to the sporting department.

GOOD THESES IN COURSE IV.

Architects Have Large Assortment of Plans for Buildings, Public and Private.

With designs for churches, club houses, conservatories, a campus, a capitol, a school, an opera house, and many others, the list of theses in Course IV is a good one.

The list follows:

Miss M. K. Babcock has selected a "Design for the Campus of the Northwestern University, Evanston, Illinois."

R. J. Batchelder, "Design for Post Office and Custom House for a Large City."

H. H. Bentley, "Design for a Preparatory School."

C. S. Clapp, "Design for a City Club House."

R. G. Crane, "Design for a Capitol of a Small State."

W. F. Dolke, Jr., "Design for an Opera House."

H. S. Hazen, "Design for a State University."

R. Kibbey, "Design for a Hunt and Polo Club."

H. F. Keuhne, "Design for a Conservatory of Music."

P. W. Norton, "A Study of the Use of Reinforced Concrete With Some Reference to the Most Economical Design for a Small Warehouse."

C. H. Preston, "Design for a Church in a City Parish."

F. J. Robinson, "Design for a Group of Municipal Buildings for Rerecreations."

T. B. Schmidt "Building of Honor for an Important University."

J. R. Tabor, "Design for a City Church."

A. Torossian, "Design for an Armenian Church."

K. Vonnegut, "Design for a Municipal Bath House."

E. I. Williams, "Design for a Large Establishment in the Country for the Celebration of Musical and Histrionic Festivities."

C. Youngerman, "Design for a Country Club House."

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AND

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The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It i in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

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CHEMISTS AND ENGINEERS.

(Continued from page 1.)

COURSE V.

J. S. Coye: "The Use of Diazotization and Development Methods in the Indentification of Dyes."

R. E. Drake: "The Indentification of Azo Dyestuffs through Reduction with Hydrosulphites."

P. A. Esten: "A Method for the Determination of the Tensile Strength of Glue."

E. G. Genoud: "The Colored Salts of Bases Formed by Condensing m-Aminodimethylaniline with Aromatic Aldehydes."

A. T. Hinckley: "An Attempt to Prepare the Fusel Oil by a Process not Involving Fermentation."

W. W. Karnan: "The Detection and Indentification of Artificial Colors in Macaroni."

J. A. Kydd: "Methods for the Separation of Dyestuffs in Mixtures and Textile Fibers."

C. L. Lufkin: "A Study of Methods for the Determination of Sucrose and Lactose in Milk Chocolate."

E. F. Lyford: "A Colorimetric Method for the Determination of Benzaldehyde in Almond Extract."

J. McGowan, Jr.: "Reactions and Absorption Spectra of the Sulphur Dyestuffs."

F. E. Mott: "Investigation of the Solubility of Silverferrocyanide in Dilute Solutions of the Alkali Halides."

E. H. Newhall. "Detecton of Caramel in Vanilla Extract."

W. C. Taylor: "Estimation of Caffetannic Acid and Caffein in Coffee."

L. E. Wemple: "Investigation on the Preparation of Fibrous Acetate of Cellulose."

R. W. G. Wint: "A Microscopic Examination of Broken Steel Rails."

CLASS SECRETARIES TO AID.

(Continued from page 1.)

Fourth. That the class march or ride in a body to Symphony Hall, at the door of which they will be met by an usher who will conduct them en masse to the tables which have been reserved for them.

Fifth. That every man join in the singing of the various songs, the printed words of which will be distributed in pamphlet form with the programmes. We are making, not following tradition, and few better legacies could be handed down to our successors than the fraternal, warm-hearted spirit engendered by the united voicing of our own songs by our own men.

Sixth. That concerted and ordered cheering between and not during the musical numbers, be substituted for the indiscriminate noise which has tended to mar the gatherings of former years.

Seventh. There is a tendency for a small number of the men under the stimulation of the evening's excitement to forget for a time their sense of proportion. To avoid a repitition of the unfortunate occurences of former years effort should be made to safeguard this particular cause of disturbance.

The committee has requested that the questions sent, be answered on the sheet of paper accompanying the letter, enclosed in the stamped envelope, and mailed to the printed address. The notices are being sent to all the classes. All communications should be mailed to Allan W. Rowe.

SHIFTS IN GEOLOGY DEPT.

The following changes in the instructing staff have been made for the year 1908-1909: Mr. Waldemar Lindgren of the United States Geological Survey has been appointed lecturer in Economic Geology, to succeed Professor Kemp.

The majority of the members of the department are to spend the coming summer in the vicinity of Boston engaged in office and laboratory work.

Professor C. H. Warren intends to do field work in Ontario, and other parts of northern Canada, and in western Massachusetts.

Mr. C. H. Clapp has been assigned work by the Canadian Geological Survey in the southern part of Vancouver Island.

NOTICE.

A. I. E. E.—Regular meeting of Boston section Wednesday at 8 P. M. in the auditorium of the Edison Building, 33 Boylston street. The general topic for discussion will be lightning protection, with papers by Messrs. J. F. Vaughan and N. J. Neall. All persons interested are cordially invited to attend.

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CALENDAR.

Friday, May 15.

3.00 P.M. 1911 vs. Allen School at the Field.
3.00 P.M. Track Team Practices at the Field.
4.00 P.M. Athletic Association Meeting in 26 Rogers.
6.30 P.M. Newton High School Club Meets at the Union.

Saturday, May 16.

2.00 P.M. Hare and Hounds Leave North Station for Waltham.
2.00 P.M. Track Team Practices at the Field.
2.00 P.M. 1910 vs Highland Military Academy at the Field.
6.30 P.M. Architectural Society Holds Annual Dinner at Copley Square Hotel.

Sunday, May 17.

9.00 A.M. Meeting of Brotherhood of St. Andrew in Trinity Church.

Monday, May 18.

3.30 P.M. 1911 vs 1910 at the Field.

FACULTY NOTICE.

SECOND YEAR STUDENTS.—The Faculty has voted that the last exercises of the second year be held Wednesday, May 27, instead of Thursday, May 28.

NOTICES.

EXAM SCHEDULE—will be published in Monday's Tech.

NEWTON HIGH CLUB.—Dinner at 6.30 sharp tonight. All members should be on hand. Good dinner and a good time.

BROTHERHOOD OF ST. ANDREW.—The last monthy corporate communion will be held Sunday morning at 9 o'clock in Trinity church. Officers for next year will be elected.

MECHANICAL ENGINEERING SOCIETY.—Dinner Tuesday at 6 at the Union. Talks by Prof. Lanza and seniors on their thesis work. Tickets 50 cents.

The Tech will pay five cents apiece for copies of Nos. 1, 11 and 12 of Volume 27 in good condition. Apply at 30 Rogers.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

LOST.—Gold knot scarf pin in Phys. Lab. Leave note at Cage for H. B.

LOST.—Thursday, May 14, a dark gray rain coat from 43 B Rogers. Return to Mech. Drawing office. No questions asked.

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